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EXAMINER

ABDULSELAM, ABBAS I

ART UNIT

PAPER NUMBER

2674

DATE MAILED: 02/25/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/556,982

Applicant(s)

VONG ET AL.

Examiner

Abbas I Abdulsalam

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 04 November 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3, 5-11, 15-24, 26, 28-32 and 36-56 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5-11, 15-24, 26, 28-32 and 36-56 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 19.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Response to Arguments***

1. Applicant's arguments with respect to claims 1-3, 5-11, 15-24, 26, 28-32 and 36-56 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 5-11, 15-19, 28-32 and 36-56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dawson (USPN 5727155) in view Lowery (USPN 6446111).

Regarding claims 1, 28, 36, 47, 54-55, Dawson teaches a multi-computer system including a host system (200) having a visual display device (205) and a remote system (220) having its own visual display device (225). Dawson teaches that both the host system (200) and the remote system (220) are controlled by the host system (200) itself and the two systems are interconnected by a connection line (240). Dawson discloses a host system (200) and remote system (220) each with their respective CPUs (305, 310) driving their respective applications. Further, Dawson's Fig. 2 shows that the two systems (200, 220) have their respective data entry devices. Dawson teaches that the visual display device (205) of the host system (200) provides visual display (208), which is representation of information displayed by the host system (200).

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Dawson also teaches that the remote system (220) may also be executing multiple local applications, which are displayed on a visual display (230), and the display (230) is not part of the shared display. See col. 5, lines 5-60, col. 6, lines 58-61, Fig. 2 and Fig. 3.

Dawson does not teach a “second information being displayed on the display of the auxiliary display unit and not on the main display unit.” Lowery on the other hand teaches a client-server system (10) showing a client (12) coupled to a server (18) through a communication link (16). See Fig. 1. Lowery teaches the use of “plug-ins”, which are typically external modules or a programs run on the client allowing the client to process retrieved data and display information locally. See col. 5, lines 19-32.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Dawson’s multi-computer system to adapt Lowery’s external models. One would have been motivated in view of the suggestion in Lowery that the external modules equivalently provide the desired “display on the auxiliary unit”. The use of external modules helps function a client-server system as taught by Lowery.

Regarding claim 28, in addition to what has been described, Dawson illustrates a remote system’s visual display device (225) as shown in Fig. 2. Inspection of Fig. 2 reveals the display device (225) is standing by itself and hence it is “standalone unit”. The display (225) as shown on the Fig. 2 also shows N application and local applications displayed on its screen.

Regarding claim 36, in addition to what has been described, Dawson discloses a computer system (119) in which a connecting device (11) is coupled with a bus for allowing the system to communicate with other computer systems over a larger network such as local area

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network (LAN). It would have been obvious the use of LAN involves a server. See col. 4, lines 22-32.

Regarding claim 47, in addition to what has been described, Dawson discloses a connecting device (112), which may include a conventional modem (112) for connecting the computer system over a telephone line or other similar communication device. See col. 4, lines 28-31. It would have been obvious to make use of the modem only for remote system.

Regarding claim 54, in addition to what has been described, Dawson teaches the use of applications shown on visual display device (205) such that the applications can be any of a wide variety of programs including graphic programs, spreadsheet programs and word processing programs and so on. It would have been obvious that the wide variety of applications can include the desired operating system.

Regarding claim 55, in addition to what has been described, Dawson teaches a system (119) comprising a communication device (100) for communicating information and a processor (CPU) 101 coupled with bus for processing information and instructions. Dawson also teaches a computer system (119) including a read only memory (ROM) coupled with bus for storing static information and instructions for processor (101). See col. 3, lines 62-67 and col. 4, lines 6-10. It would have been obvious that instructions executed by the processor are from computer readable medium.

Regarding claim 2, Dawson teaches that a host system (200) and remote system (220) are integrated through a connection (240), which comprises a conventional telephone wire. See col. 5, lines 13-16.

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Regarding claims 3 and 5, Dawson teaches a connection line (240) representing any of the wide variety of well-known communication media. See col. 5, lines 18-20.

Regarding claims 6 and 11, Dawson teaches a remote system (220) that may be executing multiple local applications, which are displayed on a visual display (230). See col. 6, lines 58-61 and Fig. 2.

Regarding claim 7, Dawson discloses that visual display devices (205, 225) can be any wide variety of conventional devices.

Regarding claim 8, Dawson teaches a display device (107) utilized as LCD. See col. 4, lines 32-37.

Regarding claims 9-10 and 29, Dawson teaches a remote system (220) including the use of any application. See col. 6, lines 63-66 and Fig. 2 (230).

Regarding claim 15, Dawson discloses a host system (200) controlling both the host system (200) itself and a remote system (220). See col. 5, lines 27-37. Dawson also teaches that the flow of information from a host system to a remote system including the use of remote application (360) in a desired context. See Fig. 3.

Regarding claims 16-17, Dawson teaches that a host system (200) providing different levels of access to remote system (220) for consequent display on (225). See col. 8, lines 7-10, 44-45 and Fig. 2.

Regarding claim 18, Dawson discloses remote application (360) determining whether the display task can be performed directly by the GDI (365). See col. 10, lines 37-40 and Fig. 4b (450, 455, 465).

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Regarding claims 19 and 30-32, Dawson teaches Dawson teaches access control (210) providing the user of a host system (200) with the ability to change the access level. See col. 7, lines 2-5.

Regarding claim 37, Dawson teaches that the remote system (220) is executing multiple local applications that are displayed on a visual display (230). See col. 6, lines 58-61.

Regarding claims 38-39, Dawson discloses access control (210) providing the use of a host system (200) with the ability to change the access level. See col. 7, lines 2-5.

Regarding claims 40-42 and 49, Dawson teaches the use of various application including graphic and others. See col. 6, lines 63-67.

Regarding claims 43, 48 and 50-53, Dawson discloses a connecting device (112) with respect to a communication other computers over al large area network (LAN). See col. 4, lines 24-31. In addition D teaches the use of a wide variety of communication media. See col. 5, lines 15-20.

Regarding claims 44-46, Dawson teaches a host system and a remote system being connected by conventional modems and a connection line (240). See col. 5, lines 13-16.

Regarding claim 56, see Dawson's Fig. 2 where display (225) is standing by itself along with data input device.

Claims 20-24 and 26 rejected under 35 U.S.C. 103(a) as being unpatentable over Dawson (USPN 5727155).

Regarding claim 20, Dawson has been described above. However, Dawson does not specifically disclose determining the capacity of the second display information, and then

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sending the information about the capacity back and forth within the two displays. On the other hand, Dawson discloses the flow of information from a host system to a remote system and vice versa. For example, Dawson discloses sending data packet to remote system (440) and the remote system is also to send signals back to host system (540). See Fig. 4a, Fig. 5 and col. 5, lines 48-50. Dawson further teaches that the host system (200) transfers the information indicating what remote system (220) is to display and the hence the host system controls the dimension of the display. Moreover, Dawson teaches that the visual display (205, 225) can be any wide variety of conventional display devices. See col. 5, lines 25-26 and col. 6 lines 25-40.

Therefore, it would have would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize the option of obtaining a wide variety of display devices for the purpose of selecting an appropriate type. One would have been motivated in view of the suggestion that the wide variety includes the display unit with the desired capacity.

Regarding claims 21 and 26, Dawson teaches that the host system (200) transfers information indicating what the remote system is to display and determine its capability. See col. 6, lines 25-40.

Regarding claim 22, Dawson teaches the access control block which is displayed outside the shared display (216) on remote system (220). See col. 7, lines 51-54.

Regarding claims 23-24, Dawson teaches the use of a wide variety of conventional graphic programs, data base programs and others. See col. 6, lines 62-67.



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### Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abduselam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

**Any response to this action should be mailed to:**

Commissioner of patents and Trademarks

Washington, D.C. 20231

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or faxed to:

**(703) 872-9314**

Hand delivered responses should be brought to Crystal Park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is (703) 306-0377.

Abbas Abdulsalam

Examiner

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February 20, 2004

  
**XIAO WU**  
**PRIMARY EXAMINER**